



Norman H. Bangerter
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Director

DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

Bureau of Water Pollution Control
288 North 1460 West, P.O. Box 16690
Salt Lake City, Utah 84116-0690
(801) 538-6146

M/035/002
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March 13, 1988

DIVISION OF
OIL, GAS & MINING

Peter W. McCallum
Manager, Environmental Quality
Kennecott Utah Copper
P. O. Box 525
Bingham Canyon, Utah 84006

RE: Order Docket No. I88-06

Dear Mr. McCallum:

In response to the proposed Mine Water discharge at the Kennecott tailings pond, transmitted herewith is an Order from the Utah Water Pollution Control Committee for your immediate attention. If you have any questions, please contact this office at 538-6146.

Sincerely,

UTAH WATER POLLUTION CONTROL COMMITTEE

Don A. Ostler, P.E.
Executive Secretary

Enclosure

SRM:st

cc: Kenneth Alkema, Director, Division Environmental Health
Fred Nelson, Assistant Attorney General
Harold Thompson, EPA/Denver
Kent Miner, Salt Lake City/County Health Department
Donald Hilden, Chief, Industrial Permitting & Compliance Section

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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
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355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 13, 1987

TO: File

FROM: Frank R. Jensen, Revegetation Specialist

Frank Jensen

RE: Kennecott Tailing Pond Revegetation, ACT/035/002

On September 29, 1987, I reviewed the revegetation work on the subject site. I started the tour with Donald Nagley, but transferred to Paul Rokich - both of Kennecott.

In summary, I was most impressed with what I saw. The expertise that Paul Rokich has for reclaiming these types of areas is unique.

Photographs of the area for reference purposes follow:



Excellent revegetation success on the dike of the tailing pond - showing tall wheatgrass, rabbitbrush and Russian olive. Paul Rokich in photograph.

Page 2
Memorandum - ACT/035/002
October 13, 1987



Excellent reseeding equipment including widetrack tractor, drill, and fertilizer spreader.



Some of the older reclaimed areas on the dike have nearly 100 percent ground cover and a diversity of vegetation. In the foreground on the drier portion is tall wheatgrass, ranger alfalfa and rabbitbrush; on the wetter portion of the dike reedgrass (Phragmites) completely ties down the soil and in the background Russian olive trees are growing. I doubt this type of revegetation success can be improved upon on this site.

Page 3
Memorandum - ACT/035/002
October 13, 1987

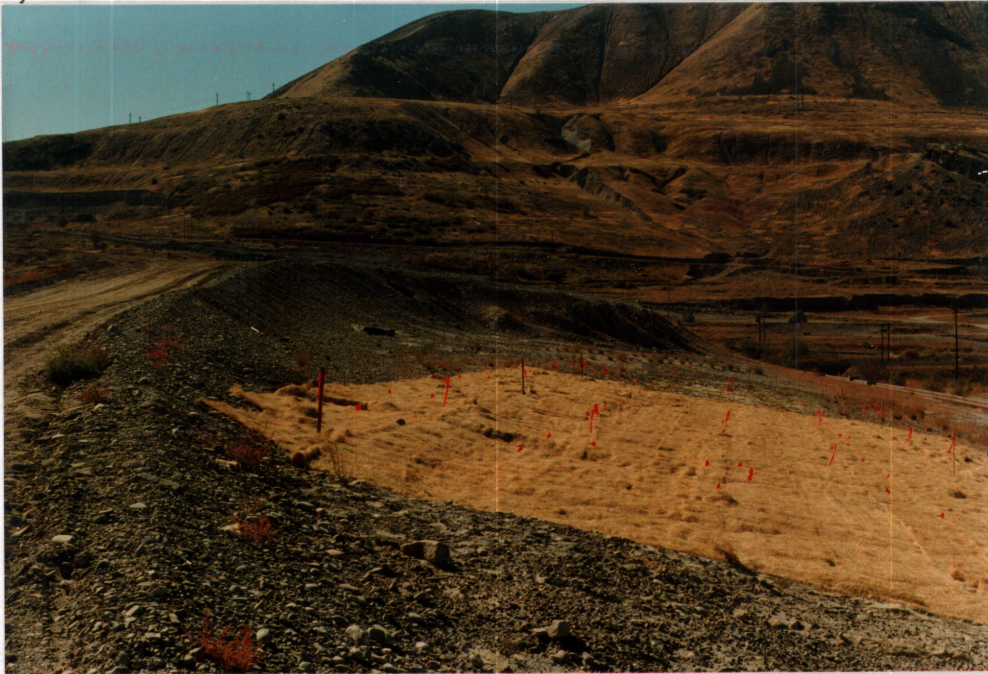


Plant succession in the revegetation of the dike - showing an area that has recently been raised. Paul Rokich drills cereal rye for the first step, then in a second seeding drills tall wheatgrass, ranger alfalfa, browse, and other adaptable species. Trees are then planted.



Experimental planting of trees and shrubs, including Russian olive, black locust, and hybrid poplar.

Page 4
Memorandum - ACT/035/002
October 13, 1987



Kennecott is also doing other experimental revegetation studies on the dikes such as this one.

Recommendations

I have no recommendations for improving the revegetation work on the dike. I encourage Kennecott to continue the work.

clj
cc: G. W. Boyce, Kennecott
Donald Nagley, Kennecott
Paul Rokich, Kennecott
1252R/26-29